

IN THE CLAIMS

Please amend Claims 18, 20-22 as shown below in clean form.

- 1 18. The method of claim 6, wherein the expected time for each of the plurality of
2 vehicles to be detected by reader is calculated by:

3
$$ExpSpeed[V_i, S_j] = \min(StartSpeed[V_i, S_j], HighSpeed[S_j])$$

4
$$ExpTime[V_i, S_j] = \frac{Length[S_j]}{ExpSpeed[V_i, S_j]}$$

5 where,

6 V_i is a vehicle entering a road segment S_j ;

7 $ExpTime[V_i, S_j]$ = expected time for V_i to be detected;

8 $StartSpeed[V_i, S_j]$ = starting speed of V_i at the beginning of segment S_j ;

9 $ExpSpeed[V_i, S_j]$ = expected speed over segment S_j ;

10 $HighSpeed[S_j]$ = average legal speed limit over the segment starting at S_j ;

11 and

12 $Length[S_j]$ = length of the segment starting at S_j .

- 1 20. The method of claim 18, wherein a difference between the expected and actual
2 link travel time for each of the plurality of vehicles is calculated by:

3
4
5
$$Diff[V_i, S_j] = \frac{\max\left(ActualTime[V_i, S_j], \frac{Length[S_j]}{HighSpeed[S_j]}\right) - ExpTime[V_i, S_j]}{ExpTime[V_i, S_j]} \times 100\%;$$

6 where:

7 $ActualTime[V_i, S_j]$ = actual time for V_i to travel over segment S_j .

- 1 21. The method of claim 18, wherein the starting speed of V_i is calculated by:

2 $StartSpeed [V_i S_j]$ = average speed of V_i over a prior segment.

1 22. The method of claim 18, wherein the starting speed of V_i is calculated by:

2 $StartSpeed [V_i S_j]$ = instantaneous speed of V_i at the start of S_j measured by a toll

3 gateway speed sensor.
